



Legislation Text

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DATE: October 20, 2017

TO: Board of Mayor and Aldermen

FROM: Eric Stuckey, City Administrator
Mark Hilty, Assistant City Administrator for Public Works
Paul P. Holzen, Director of Engineering
Michelle Hatcher, Director of Water Management

SUBJECT:
Capital Project Status Report

Transportation Project Status

A. Mack Hatcher Parkway NW Extension

Key Dates: Design Start - August 14, 2007 (BOMA Approval); Re-Design Completion - October 2017; ROW Start - December 2009; ROW Completion - December 2017; Construction Bid Date - February 2018

Cost: Design - \$3,502,501; ROW - \$13,397,520 (Provided by TDOT); Construction - \$58,700,000 (Provided by TDOT)

Status Update: On May 9, 2017, TDOT released its annual 3-year (FY 2018-2020) transportation program. The construction of Mack Hatcher Parkway, from Highway 96 West (SR-96) to Hillsboro Road (SR-106) is included in the list of projects. It is programmed to receive funding in FY 2018. City and TDOT staff working toward a February letting date.

B. Hillsboro Road Improvements Phase 2 (Independence Square to Mack Hatcher Pkwy)

Key Dates: Design Start - March 24, 2008 (BOMA Approval); Design Completion - March 2015; ROW Start - March 2013; ROW Completion - May 2015; Bid Date - January 2016; Construction Start - April 18, 2016; Original Construction Completion - June 21, 2017 (430 calendar days); Current Construction Completion - November 22, 2017 (CO#1 Additional 154 Calendar Days; 584 Calendar Days based upon delays and utility conflicts)

*Denotes Estimated Date

Cost: Design - \$1,324,221 (Design fees include the SR96-IndSq Project as well); ROW - \$3,000,000; Construction Bid - \$11,995,005.13 (\$1,750,000 Reimbursable through State and Federally Approved Funding; Includes AT&T and ATMOS Reimbursable items totaling \$441,677.00); Current Construction - \$12,049,584.48 (CO#1)

Status Update: There have been numerous utility conflicts throughout the project. Change Order No. 1 was approved for a 154-day contract extension, based upon utility conflicts. The City worked with the contractor to incorporate the MHP NW improvements along Hillsboro Rd into the Hillsboro Road Project, so residents aren't inconvenienced twice with construction. The project is expected to be substantially complete and fully open to traffic by the contract end date.

C. Hunter's Bend Safe Routes to School

Key Dates: Design Start- January 2014; Design Complete - December 2015; ROW Acquisition - N/A; Construction Start - April 24, 2017; Construction Complete - July 24, 2017*

*Denotes Estimated Date

Cost: Total - \$289,565 (Estimated)

Status Update: The pre-construction meeting was held on April 20, 2017. A Notice to Proceed, with an effective date of April 24, 2017 was issued. Construction was originally scheduled to be complete by July 24, 2017. The contractor continues working toward completion of this project. City staff working on a change order to add an additional wall to the contract resulting in significant delays. A change order will be presented to the Board ASAP.

D. Sidewalk/Multi-use Trail along Murfreesboro Road (SR 96 East), Pinkerton Park to Mack Hatcher Parkway

Key Dates: Design Start- June 2014; Design Complete - June 2017; ROW Acquisition - June 2017; Construction - August 2017

*Denotes Estimated Date

Cost: Total - \$1,511,299.81

Status Update: Condemnation was awarded in August 2017 by court on one property. Bids were received and opened on May 25, 2017 and the apparent low bidder was Civil Constructors, LLC., for \$1,511,299.81. Preconstruction meeting was held on July 25, 2017. A Notice to Proceed with Construction was issued with an effective date of August 14, 2107. Silt fence and construction layout commenced September 2017.

E. Franklin Road Streetscape (Harpeth River Bridge to Harpeth Industrial Court)

Key Dates: Design Start- January 2015; Design Complete - November 2017*; ROW Acquisition Start - September 2017*; Construction Start - June 2018*

*Denotes Estimated Date

Cost: Total - \$10,344,250.00 (Estimated)

Status Update: Design updates are still ongoing. Final water and sanitary sewer plans are complete. Final Right-of-Way and easement documents will be finalized in Fall of 2017. Right-of-Way Acquisition could begin in Winter 2017/18. Staff working on PSA for acquisition services.

F. East McEwen Drive Phase 4 Improvements

Key Dates: Design Start - April 2015; Design Completion - October 2020*; ROW Acquisition Start - Feb 2019*; ROW Acquisition End - August 2020*; Construction Start - October 2020*; Construction End - May of 2023*;

*Denotes Estimated Date

Cost: Design - \$1,210,000 (Preliminary - \$497,000; Final - \$713,000);

ROW Acquisition - TBD; Construction - TBD

Status Update: A PSA (COF Contract No. 2017-0125) for the Environmental Phase was executed on June 13, 2017, with Civil & Environmental Consultants, Inc., for \$125,017.96. Completed technical studies include: archaeology, hazardous materials, and ecology. Technical studies under progress include: Native American coordination, Air Quality, and Noise. Preliminary data collection is underway.

G. Columbia Avenue (Mack Hatcher Parkway to Downs Boulevard)

Key Dates: Preliminary Design/Environmental Start - March 2016; Preliminary Design/Environmental Completion - November 2017;

Final Design Start - 2018*; ROW Acquisition Start - 2019*; Construction Start - 2021*

*Denotes Estimated Date

Cost: Preliminary Design/Environmental - \$1,070,450.00; Final Design - \$1,000,000.00*; ROW - \$4,000,000.00*; Construction - \$15,000,000.00*. Currently funded by 80% Federal/20% State/0% Local. Total project estimate is \$21MM.

*Denotes Estimated Cost per MPO TIP, FY2014-2017

Status Update: The Board has selected the five-lane access management option. Staff is working on finalizing utilities and pedestrian improvements to present to the Board.

H. Design of E. McEwen/Cool Springs Blvd. Intersection Improvements (Roundabout)

Key Dates: Design Start - February 14, 2017 (BOMA Approved); Design Completion - December 2018; ROW Start - December 2017 ; ROW End - July 2018; Construction Start - July 2018; Construction End - June 2019

Cost: Design - \$74,995.00; ROW - \$900,000; Construction - \$1,200,000;

Status Update: Survey work is complete. Analysis of traffic and accident data underway. Staff reviewing draft concept to authorize final design.

I. Design of Intersection Improvements at Mallory Lane and Liberty Pike

Key Dates: Design Start - February 14, 2017 (BOMA Approved); Design Completion - TBD; ROW - TBD; Construction - TBD

Cost: Design - \$229,965.00; ROW - TBD; Construction - TBD;

Status Update: Designer has presented preliminary layout information to City staff for review. Staff met on August 15th to develop comments for the designer.

J. Design of Intersection Improvements at Mallory Lane and Liberty Pike

Key Dates: Design Start - October 2016; Design Completion - December 2018; ROW Start - January 2017; ROW End - July 2018; Construction Start - September 2018; Construction End - June 2019

Cost: Design - \$121,310.56; ROW - TBD; Construction - TBD;

Status Update: Designer has presented preliminary layout information to City staff for review. Staff met on August 15th to develop comments for the designer. Staff working to get acquisition services in place.

Stormwater Project Status

A. 100-Block Battle Avenue Drainage Improvements

Key Dates: Design Start - July 24, 2012 (BOMA Approved); Design Completion - April 2018; Easement Acquisition Start - November 2017; Easement Acquisition Completion - June 2018; Bid Date - July 2018*; Construction Start - September 2018*; Construction Completion - March 2019*

*Denotes Estimated Dates

Cost: Initial Study - \$46,500.00; Final Design - \$131,700.00 (Including Amendment 1 of \$68,200.00); Construction Estimate- \$1,270,000.00

Status Update: The Board approved Resolution 2016-94 on January 10, 2017, authorizing the project to move forward into the ROW Acquisition and Construction Phases. Construction plans are nearing completion. Title searches and appraisals for easement acquisition have begun.

B. Jordan Branch of Spencer Creek (Cool Springs East) Stream Restoration

Key Dates: Design Start - May 26, 2015 (BOMA Approved); Design Completion -November 2017*; ROW/Easement Acquisition - December 2017*; Construction Start - February 2017* Construction End - August 2018*

*Denotes Estimated Dates

Cost: Design - \$113,445.00; Construction Estimate - \$750,000

Status Update: The HOA for Cool Springs East has submitted a letter of support for the current design concept. Resolution 2017-19 to approve the preliminary design and authorize staff to proceed with ROW acquisition, final design, and construction was approved by the BOMA at their July 11th meeting.

C. Ralston Creek (Liberty Hills) Stream Restoration

Key Dates: Feasibility Study Start - November 19, 2015 (BOMA Approved); Feasibility Study Completion - April 2017*; Design Start - September 2017; Design End - February 2017; ROW/Easement Acquisition - TBD; Construction - TBD

Cost: Design - \$68,700.00

Status Update: Feasibility Study Complete. Consultant working on a stream bank stabilization project and updating the model to determine exact floodplain to present at a public meeting. A public meeting will be scheduled with the residents to determine how to proceed with the project and provide an overview of the feasibility study.

D. Harpeth River Bank Stabilization at the Water Reclamation Facility

Key Dates: Design Start - August 11, 2015 (BOMA Approved); Design Completion - April 2017*; ROW/Easement - N/A; Construction - TBD

Cost: Design - \$74,000.00; ROW/Easement - N/A; Construction - 311,782.21

Status Update: Bids were received and opened on Monday, June 26TH. Resolution 2017-59 to award the construction contract was approved by the BOMA on August 8th. Work will begin soon.

E. Carnton Lane Culvert Replacement

Key Dates: Design Start- September 9, 2016 (BOMA Approved); Design Completion- July 2017; ROW/Easement - November 2017; Construction Start- January 2018; Construction End - May 2018

Cost: Design - \$18,580.00; ROW/Easement - N/A; Construction - \$500,000

Status Update: Final construction plans are complete. Right of way is to be donated to the City after landowner finishes a survey of his property. Project to bid following ROW acquisition.

F. Watson Branch Culvert Rehabilitation

Key Dates: Design Start - November 22, 2016 (BOMA Approval); Design Completion - October 2017; ROW/Easement Start - November 2017; ROW/Easement End - March 2018; Construction Start - April 2018; Construction End - July 2018;

Cost: Design - \$30,640.00; ROW/Easement - TBD; Construction - TBD

Status Update: Preliminary plans are complete. ARAP and CGP permits were approved by TDEC and received June 5, 2017. A permit to access TDOT right of way on Mack Hatcher was received June 13, 2017. Temporary construction easements and PU&DE easement documents are prepared and waiting to be approved. Staff is working on ROW Acquisition.

Parks Project Status

A. Southeast Municipal Complex Master Planning

Key Dates: Design Start - June 2017; Design Completion - August 2018

Cost: Design - \$396,046.00

Status Update: PSA was executed on June 13, 2017, to BWSC for \$396,046.00. Geotechnical investigation is completed. Traffic Analysis and ESA Permit are completed. Placement and footprint of new wastewater plant is being analyzed. A core group meeting was conducted on August 31 and input was received from all parties represented. Mass grading conceptual plan for plant site and access points of property are being analyzed for most feasible route.

B. Southeast Municipal Complex (Lockwood Parcel) Construction Documents

Key Dates: Design Start - July 2017; Design Completion - TBD;

Cost: Design - \$310,158.00; Purchase of property - TBD; Construction - TBD;

Status Update: A PSA was executed on June 13, 2017, to BWSC for \$310,158.00. Boundary survey of tract is completed. The Topographic survey is almost finished. Robinson Lake hydrographic survey and the preliminary dam analysis are completed. A more in-depth conceptual plan for the dam is underway. No additional site design work is proceeding until we determine if this City is going to proceed with the purchase of the property.

Water and Sewer Project Status

A. Spencer Creek Basin - South Prong Interceptor Upgrade

Key Dates: Design Start - April 23, 2013; Design Completion - February 2017*;
Easement Acquisition - TBD; Construction - Not Funded

*Denotes Estimated Date

Cost: Design - \$337,000.00; Easement - Not Funded; Construction - Not Funded

Funding Source: Design - Sewer Fund; Easements - TBD; Construction - TBD

Status Update: Plans are complete but will not be submitted to TDEC for approval until the project is closer to bid. Easement documents have been prepared and submitted to City Staff for review. The

project will not be constructed until funding is available from the Water Management Department budget.

B. Spencer Creek at Franklin Road Sewer

Key Dates: Design Start - March 11, 2014; Design Completion - June 2015; Easement Acquisition Start - September 2015; Easement Acquisition Completion - November 2017*; Bid Date: January 2018*; Construction Start - March 2018*; Construction Completion - December 2018*

*Denotes Estimated Date

Cost: Design - \$40,000.00; Construction - TBD

Funding Source: Design - Sewer Fund

Status Update: The plans are 100% complete. Two of the four easements required have gone to condemnation; the other two easements are still in negotiation. The project will be bid once the easements have been obtained.

C. Curd Branch and Watson Branch Interceptor Sewer

Key Dates: Design Start - February 25, 2014; Design Completion - September 2015; Easement Acquisition Start - February 2015; Easement Acquisition Completion - June 2016; Bid Date: September 2016; Construction Start - February 2017; Construction Completion - September 2017*

*Denotes Estimated Date

Cost: Design - \$115,000.00; Easement - TBD; Construction - \$1,481,995.00

Funding Source: Easement, Design and Construction - Sewer Fund

Status Update: Final cleanup of the project is underway. The final walk thru will be done in October with the final change order to follow.

D. Goose Creek Sanitary Sewer Extension Project from West of I65 to the East Side of I65

Key Dates: Design Start - September 9, 2014; Design Completion - April 2015; Easement Acquisition Start - July 2015; Easement Acquisition Completion - June 2016; Bid Date: September 2016; Construction Start - January 2017; Construction Completion - October 2017*

*Denotes Estimated Date

Cost: Design - \$132,535.00; Easements - \$221,600.00; Construction - \$1,717,620.40

Funding Source: Design, Easements, Construction - Sewer Fund & HPT TA Properties Trust

Status Update: Construction on the project continues. The bore under I-65 is the last task in the project and is approximately 70% complete.

E. Bobby Drive Water Line Improvement Project

Key Dates: Design Start - May 12, 2015; Design Completion - April 2016; Easement Acquisition Start - June 2016; Easement Acquisition Completion - December 2017*; Construction - To be completed in-house by Water Management Department staff

*Denotes Estimated Date

Cost: Design - \$80,313.00; Easements - TBD; Construction - TBD (Materials Only)

Funding Source: Design and Easements - Water Operating Fund

Status Update: Design plans are 100% complete. Easement discussions with the affected property owners continues.

F. Old Carters Creek Water Line Improvements

Key Dates: Design Start - May 12, 2015; Design Completion - July 2017; Easement Acquisition Start - August 2017; Easement Acquisition Completion - December 2017*; Construction - to be completed in-house by Water Management Department staff

*Denotes Estimated Date

Cost: Design - \$101,278.00; Easements - TBD; Construction - TBD (Materials Only)

Funding Source: Design and Easements - Water Operating Fund

Status Update: This project will be constructed in two phases with the entire job being designed now. 100% plans were submitted for review on July 14, 2017.

G. Ladd Park Interceptor Sewer Improvements

Key Dates: Design Start - December 8, 2015; Design Completion - September 2016; Easement Acquisition Start - August 2016; Easement Acquisition Completion - November 2016; Bid Date: December 13, 2016; Construction Start - March 2017; Construction Completion - January 2018*

*Denotes Estimated Date

Cost: Design - \$176,600.00; Easements - None; Construction - \$2,339,780.00

Funding Source: Design, Easements, Construction - Sewer Fund

Status Update: Construction has begun and is approximately 25% complete.

H. Goose Creek Inn Sewer Project

Key Dates: Design Start - April 11, 2017 (BOMA Approved); Design Completion - July 2017; ROW/Easement/Contracts Signed by landowners - July 2017; Construction - TBD

Cost: Design - \$50,020.00; ROW/Easement/Contracts - TBD; Construction - est. \$570,000.00

Status Update: Construction plans are complete, and the approved ARAP and General Construction Permit have been received from TDEC. Legal contracts have been signed by the three landowners. Project was bid on August 29, 2017 and the apparent low bid for construction was Civil Constructors, LLC., for \$580,387.60. The new estimated project cost (including engineering, survey, permit, construction, management) is \$685,407.60. Letters to accept the bid were sent to the three landowners on August 31, 2017. We are waiting on their response to continue and will issue a Notice To Proceed.

I. Henpeck Lane Sanitary Sewer Project

Key Dates: Design Start - July 2017; Design Completion - November 2018; ROW/Easement Start - October 2017; ROW/Easement End - April 2019; Construction Start - August 2019; Construction End - October 2020;

Cost: Design - \$176,000; ROW/Easement/Contracts - \$200,000; Construction - est. \$2,000,000

Status Update: Construction plans are 60% complete and staff is working to set up a public meeting and start ROW acquisition. Permitting will take 180 days and will parallel ROW